

**REMARKS**

By this amendment, claims 1-9 and 15-29 have been amended and claims 30-35 have been added. Accordingly, claims 1-35 are currently pending in the application, of which claims 1, 10, 15, 30 and 33 are independent claims. Applicant appreciates the indication that claims 10-14 are *allowed* and claims 6-9 and 18-29 are objected to but *allowable* if present in independent form.

In view of the above amendments and the following Remarks, Applicant respectfully requests reconsideration and timely withdrawal of the pending rejections for the reasons discussed below.

***Rejections Under 35 U.S.C. §102***

Claims 1-3 and 15-17 stand rejected under 35 U.S.C. §102(b) as being anticipated by U. S. Patent No. 6,038,003 issued to Kim ("Kim"). Applicant respectfully traverses this rejection for at least the following reasons.

In this response, independent claim 1 has been amended to clarify the differences between the claimed invention and Kim. Amended claim 1 recites:

“1. A display device comprising:  
...  
an *opening region* formed in the peripheral region, wherein  
*the pad is formed in the opening region and the opening region has  
a periphery greater than that of the pad.*”

An example of this claimed feature is shown in Fig. 4F of the present application, in which (a) the second region 180 formed in the pad region 172, (b) the pad 110 is formed in the

second region 180, and (c) the second region 180 has a shape of an opening of which the periphery is greater than the periphery of the pad 110.

In this regard, it is respectfully submitted that Kim fails to disclose or suggest this claimed feature. In Fig. 5f, Kim shows an opening 169 exposing a portion of the source pad 125. However, in Kim, there is no opening region having a periphery greater than that of the source pad 125. In fact, the periphery of the opening 169 is smaller than that of the source pad 125. Thus, the structure shown in Kim would suffer connection failure between the pad 125 and COG or COF attached thereon. As described in Fig. 2 and its corresponding descriptive portion of the present application, such failure was the problem of the conventional art to which the claimed invention is directed to. Thus, it is submitted that claim 1 is patentable over Kim. Claims 2 and 3 that are dependent from claim 1 would be also patentable at least for the same reason.

Amended independent claim 15 recites “patterning the insulating layer to form an opening region in the peripheral region, the opening region including the pad and having a periphery greater than that of the pad”. As previously mentioned, Kim fails to disclose or suggest the claimed opening region including the pad and having a periphery greater than that of pad. Thus, it is submitted that claim 15 is patentable over Kim. Claims 16 and 17 that are dependent from claim 15 would be also patentable at least for the same reason.

Accordingly, Applicant respectfully requests withdrawal of the 35 U.S.C. §102(b) rejection of claims 1-3 and 15-17.

### ***Rejections Under 35 U.S.C. §103***

Claims 4 and 5 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Kim. Applicant respectfully traverses this rejection for at least the following reasons.

Claims 4 and 5 are dependent from claim 1. As previously mentioned, amended independent claim 1 is now believed to be patentable over Kim. No secondary reference has been introduced to cure the deficiency from Kim. Thus, claims 4 and 5 would be patentable at least for the same reason.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. §103(a) rejection of claims 4 and 5.

***Added Claims***

In this response, claims 30-35 have been newly added to cover the present invention from different perspectives. An example of added claims 30-35 can be found at least in Figs. 4A-4G and its corresponding descriptive portion of the specification.

***Other Matters***

In this response, claims 1-9 and 15-29 have been amended for the purposes of better wording, clarification and consistency with the base claims.


**CONCLUSION**

Applicants believe that a full and complete response has been made to the pending Office Action and respectfully submit that all of the stated objections and grounds for rejection have been overcome or rendered moot. Accordingly, Applicants respectfully submit that all pending claims are allowable and that the application is in condition for allowance.

Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact the Applicant's undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,



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